

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

9

Complete if Known

Application Number	10/666,922
Filing Date	September 18, 2003
First Named Inventor	Wang, Yulun
Art Unit	2816
Examiner Name	Unassigned
Attorney Docket Number	022001-000940US

U.S. PATENT DOCUMENTS+

Examiner Initials*	Cite No.	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
EP	AA	977,825		12-06-1910	Murphy	
	AB	3,171,549		03-02-1965	Orloff	
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Examiner
Signature*Edna C. Peller*Date
Considered

3-6-05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/666,922
		Filing Date	September 18, 2003
		First Named Inventor	Wang, Yulun
		Art Unit	2816
		Examiner Name	Unassigned
Sheet 2	of 9	Attorney Docket Number	022001-000940US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
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	BQ	4,860,215	08-22-1989	Seraji	
	BR	4,863,133	09-05-1989	Bonnell	
	BS	4,883,400	11-28-1989	Kuban et al.	
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	BX	4,965,417	10-23-1990	Massie	
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CM	5,097,839	03-24-1992	Allen		
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DC	5,217,003	06-08-1993	Wilk		
EAP	DD	5,221,283	06-22-1993	Chang	
Examiner Signature	Eden C. Hottel		Date Considered	3-6-05	

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		Number Kind Code ² (if known)			
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	DF	5,230,623	07-27-1993	Guthrie et al.	
	DG	5,236,432	08-17-1993	Matsen, III et al.	
	DH	5,251,127	10-05-1993	Raab	
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	DK	5,274,862	01-04-1994	Palmer, Jr. et al.	
	DL	5,279,309	01-18-1994	Taylor et al.	
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	DR	5,303,148	04-12-1994	Mattson et al.	
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ES	ES	5,417,701	05-23-1995	Holmes	
Examiner Signature	<i>E. C. [Signature]</i>		Date Considered	3-6-05	

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		First Named Inventor	Wang, Yulun		
		Art Unit	2816		
Examiner Name	Unassigned				
Sheet	4	of	9	Attorney Docket Number	022001-000940US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	GG	5,718,038	02-17-1998	Takiar et al.	
888	GH	5,727,569	03-17-1998	Benetti et al.	
Examiner Signature	Ed C. [Signature]		Date Considered	3-6-05	

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	GJ	5,735,290	04-07-1998	Sterman et al.	
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	GL	5,749,362	05-12-1998	Funda et al.	
	GM	5,754,741	05-19-1998	Wang et al.	
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	GY	5,808,665	09-15-1998	Green	
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	HA	5,810,880	09-22-1998	Jensen et al.	
	HB	5,812,978	09-22-1998	Nolan	
	HC	5,813,813	09-29-1998	Daum et al.	
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	HI	5,842,173	11-24-1998	Strum et al.	
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	HN	5,860,995	01-19-1999	Berkelaar	
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	HP	5,878,193	03-02-1999	Wang et al.	
	HQ	5,882,206	03-16-1999	Gillio	
	HR	5,884,350	03-23-1999	Kurze	
	HS	5,887,121	03-23-1999	Funda et al.	
	HT	5,931,832	08-03-1999	Jensen	
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	HV	5,970,457	10-19-1999	Brant et al.	
EA	HW	6,024,695	02-15-2000	Taylor et al.	
Examiner Signature	Ed C. Hall		Date Considered	3-6-05	

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EAP	IC	6,646,541	11-11-2003	Wang et al.		

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		Country Code ²	Number ⁴	Kind Code ⁵ (if known)				
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	IG	EP	424687		05-02-1991	Baum et al.		<input type="checkbox"/>
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	IL	WO	94/18881		09-01-1994	Sterman et al.		<input type="checkbox"/>
	IM	WO	94/26167		11-24-1994	Jensen		<input type="checkbox"/>
	IN	WO	96/09587		03-29-1996	Wang et al.		<input type="checkbox"/>
	IO	WO	97/15240		05-01-1997	Brant et al.		<input type="checkbox"/>
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	IQ	WO	99/21165		04-29-1999	Wang et al.		<input type="checkbox"/>

Examiner Signature	<i>EAP C. P. Allen</i>	Date Considered	3-6-05
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
EA	IR	ABSTRACT of a presentation "3-D Vision Technology Applied to Advanced Minimally Invasive Surgery Systems" given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992 (1 page total).	
	IS	ABSTRACT of a presentation "A Pneumatic Controlled Sewing Device for Endoscopic Application the MIS Sewing Instrument MSI" given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992 (1 page total).	
	IT	ABSTRACT of a presentation given at the 3rd World Congress of Endoscopic Surgery in Bordeaux (18 to 20 June 1992), entitled "Session 15/2" (1 page total).	
	IU	ABSTRACT of a presentation given at the 3rd World Congress of Endoscopic Surgery in Bordeaux (18 to 20 June 1992), entitled "Session 15/4" (1 page total).	
	IV	ABSTRACT of a presentation given at the 3rd World Congress of Endoscopic Surgery in Bordeaux (18 to 20 June 1992), entitled "Session 15/5" (1 page total).	
	IW	ABSTRACT of a presentation given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992, entitled "Session 15/1" (1 page total)	
	IX	BEJCZY, "Controlling Remote Manipulators through Kinesthetic Coupling," Computers in Mechanical Engineering 1983, pp. 48-60.	
	IY	BESANT et al., Abstract of a presentation "Camera Control for Laparoscopic Surgery by Speech-Recognizing Robot: Constant Attention and Better Use of Personnel," given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992 (1 page total).	
	IZ	CHARLES et al., "Design of a Surgeon-Machine Interface for Teleoperated Microsurgery," IEEE 1989 (3 pages total).	
	JA	COLGATE, "Power and Impedance Scaling in Bilateral Manipulation," IEEE, 1991, pp. 2292-2297.	
	JB	CORCORAN, "Robots for the Operating Room," The New York Times, Sunday July 19, 1992, Section 3, Page 9, Column 1 (2 pages total).	
	JC	DAS et al., "Kinematic Control and Visual Display of Redundant Teleoperators," IEEE 1989 pp. 1072-1077.	
	JD	DOLAN et al., "A Robot in an Operating Room: A Bull in a China Shop," IEEE, 1987, pp. 1096-1097.	
	JE	GAYED et al., "An Advanced Control Micromanipulator for Surgical Applications," Systems Science Vol. 13, 1987, pp. 23-34.	
EA	JF	GREEN et al., Abstract of a presentation "Telepresence: Advanced Teleoperator Technology for Minimally Invasive Surgery," given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992 (2 pages total).	

Examiner Signature	<i>Ed Cape</i>	Date Considered	3605
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Substitute for form 1449B/PTO .		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/666,922
		Filing Date	September 18, 2003
		First Named Inventor	Wang, Yulun
		Art Unit	2816
		Examiner Name	Unassigned
Sheet 8 of 9	Attorney Docket Number	022001-000940US	

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EAP	JG	GREEN et al., Abstract of a presentation "Telepresence: Advanced Teleoperator Technology for Minimally Invasive Surgery," given at "Medicine meets virtual reality" symposium in San Diego, June 4-7, 1992 (20 pages total).	
	JH	GREEN, Statutory Declaration of Dr. Philip S. Green, presenter of the video entitled "Telepresence Surgery - The Future of Minimally Invasive Medicine" (32 page total).	
	JL	GUERROUAD, "Voice Control in the Surgery Room," IEEE Engineering in Medicine & Biology Society 11th Annual International Conference 1989 (2 pages total).	
	JJ	GUERROUAD et al., "S.M.O.S.: Stereotaxical Microtelemanipulator for Ocular Surgery," IEEE, 1989, pp. 879-880.	
	JK	INQUE et al., "Six-axis Bilateral Control of an Articulated Slave Manipulator Using a Cartesian Master Manipulator," Advanced Robotics, 4, No. 2, 1990, pp. 139-150.	
	JL	KAZEROONI, "Human/Robot Interaction via the Transfer of Power and Information Signals - Part I: Dynamics and Control Analysis," IEEE, 1989, pp. 1632-1640.	
	JM	KAZEROONI, "Human/Robot Interaction via the Transfer of Power and Information Signals - Part II: An Experimental Analysis," IEEE, 1989, pp. 1641-1647.	
	JN	KRISHNAN et al., Abstract of a presentation "Design Considerations of a New Generation Endoscope Using Robotics and Computer Vision Technology," given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992 (1 page total).	
	JO	LAVALLEE, "A New System for Computer Assisted Neurosurgery," IEEE, 1989, vol.11, pp. 926-927.	
	JP	MAIR, Industrial Robotics, Prentice Hall, 1988, pp. 41-43, 49-50, 54, 203-209.	
	JQ	MAJIMA et al., "On a Micro-Manipulator for Medical Application - Stability Consideration of its Bilateral Controller," Mechatronics, 1991, pp. 293-309.	
	JR	NASA, "Anthropomorphic Remote Manipulator", NASA Tech Briefs, 1991 (1 page total).	
	JS	PREISING et al., "A Literature Review: Robots in Medicine," IEEE, June 1991, pp. 13-22 & 71.	
	JT	SABATINI et al., "Force Feedback-Based Telemicromanipulation for Robot Surgery on Soft Tissues," IEEE, 1989, pp. 890-891.	
	JU	TAUBES, "Surgery in Cyberspace," Discover Magazine, December 1994, pp. 85-92.	
EAP	JV	TAYLOR et al., "Taming the Bull: Safety in a Precise Surgical Robot," IEEE, 1991, pp. 865-871.	
Examiner Signature	Ed C. [Signature]		Date Considered 3605

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Sheet	9	of	9	Attorney Docket Number	022001-000940US

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EAC	JW	TEJIMA, "A New Microsurgical Robot System for Corneal Transplantation," Precision Machinery, 1988 vol. 2, pp. 1-9.	
	JX	TENDICK et al., "Analysis of the Surgeon's Grasp for Telerobotic Surgical Manipulation," IEEE, 1989, pp. 914-915.	
	JY	THRING, "Robots and Telechairs: Manipulator with Memory: Remote Manipulators: Machine Limbs for the Handicapped," Wiley & Sons, 1983 (26 pages total).	
	JZ	Transcript of a video presented by SRI at the 3rd World Congress of Endoscopic Surgery in Bordeaux on June 18-20, 1992, in Washington on April 9, 1992, and in San Diego, CA on June 4-7, 1992 entitled "Telepresence Surgery - The Future of Minimally Invasive Medicine" (3 pages total)	
	KA	TREVELYAN et al., "Motion Control for a Sheep Shearing Robot," Proceedings of the 1st International Symposium on Robotics Research, MIT, Cambridge, Massachusetts, USA, 1983, pp.175.	
	KB	VIBET, "Properties of Master-Slave Robots," Motor-con, 1987, pp. 309-314.	
EAC	KC	WOLF et al., "Student Reference Manual for Electronic Instrumentation Laboratories," Prentice Hall, New Jersey 1990, pp. 498 and 499.	

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Examiner Signature	<i>Ed Cole</i>	Date Considered	3-6-05
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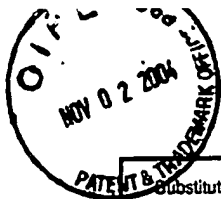
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EA	AF	Stryker Endoscopy, "Sidne," Operating and Maintenance Manual, 33 total.	
EA	AG	Wilson et al., "Filmless PACS in a multiple facility environment," Proceedings of the Spie, Spie, Bellingham, VA, US, vol. 2711, pgs. 500-509 (XP002082137).	

Examiner Signature	<i>Ed Cohen</i>	Date Considered	3-6-05
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